

Title (en)  
DAMPER DEVICE

Title (de)  
DÄMPFUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'AMORTISSEUR

Publication  
**EP 2963311 A2 20160106 (EN)**

Application  
**EP 15173847 A 20150625**

Priority  
• JP 2014132283 A 20140627  
• JP 2015085956 A 20150420

Abstract (en)  
A damper device includes an input-side tubular member (30), an output-side tubular member (50), and an intermediate tubular member (40). The tubular members (30, 40, 50) have different diameter dimensions. The tubular members (30, 40, 50) are disposed such that the tubular member with a smaller diameter dimension is inserted into the tubular member with a larger diameter dimension, so that the spring abutment portion (42) of the intermediate tubular member (40) is placed between the spring abutment portion (34) of the input-side tubular member (30) and the spring abutment portion (54) of the output-side tubular member (50) in a circumferential direction of the tubular members (30,40,50). A damper spring (70, 80) is disposed in each spring arrangement space (90) formed between the spring abutment portion (42) of the intermediate tubular member (40) and those spring abutment portions (34, 54) of the other tubular members (30, 50) which are adjacent to the spring abutment portion (42) of the intermediate tubular member (40) in the circumferential direction.

IPC 8 full level  
**F16F 15/123** (2006.01); **F16F 15/12** (2006.01)

CPC (source: EP)  
**F16F 15/12373** (2013.01); **F16F 15/1203** (2013.01); **F16F 2226/00** (2013.01)

Citation (applicant)  
JP S61286616 A 19861217 - NISSAN MOTOR

Cited by  
FR3057636A1; WO2018073296A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2963311 A2 20160106; EP 2963311 A3 20160302**; CN 105221654 A 20160106; JP 2016027277 A 20160218

DOCDB simple family (application)  
**EP 15173847 A 20150625**; CN 201510363503 A 20150626; JP 2015085956 A 20150420